

## Caprylyl Glycol

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 /  
March 26, 2012 / Rules and Regulation


Revision Date: 11/10/220  
Supersedes: 05/12/2020

### 1 PRODUCT & COMPANY IDENTIFICATION

<b>Product Name:</b> Caprylyl Glycol	<b>Distributor:</b> MakingCosmetics Inc.
<b>Synonyms:</b> No data available	<b>Address:</b> 10800 231 <sup>st</sup> Way NE
<b>INCI Name:</b> Caprylyl Glycol	Redmond, WA 98053 (USA)
<b>CAS Number:</b> 1117-86-8	<b>Phone / Fax:</b> 425-292-9502 / 425-292-9601
<b>Formula:</b> No data available	<b>Web:</b> <a href="http://www.makingcosmetics.com">www.makingcosmetics.com</a>
<b>Product Form:</b> Liquid	
<b>Product Use:</b> Cosmetic use	<b>Emergency Telephone Number:</b> 1-800-424-9300 (Chemtrec)

### 2 HAZARDS IDENTIFICATION

**GHS Classification:** Eye irritant  
**GHS Signal Word:** Warning

**GHS Hazard Pictograms:** 

**GHS Hazard Statements:** H302: Harmful if swallowed.  
H319: Causes serious eye irritation.

**GHS Precautionary Statements:** P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P301 + P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

**Potential Health Hazards:** Eyes: Causes serious eye irritation.  
Inhalation: Not expected to be irritant.  
Skin: Not expected to be irritant.  
Ingestion: Not expected to be irritant.

**NFPA Ratings (704):**

Health	1	Slight
Flammability	1	Slight
Reactivity	0	Minimal
PPE	B	

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Weight %	Molecular Weight
Caprylyl Glycol	214-254-7	100%	146.23

### 4 FIRST AID MEASURES

**Eyes:** In case of eye contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if necessary.

**Inhalation:** If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.

**Skin:** For skin contact, wipe away excess material with dry towel. Then wash affected area with plenty of water, and mild soap if available, for several minutes. Get medical attention if irritation occurs.

**Ingestion:** Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. If accidentally swallowed, give 2 to 4 cups of water, observe victim for 24 hours. Seek medical attention if indicated. If vomiting occurs, keep head lower than hips to prevent aspiration.

### 5 FIRE-FIGHTING MEASURES

**Suitable (and unsuitable) extinguishing media:** May be combustible at high temperature. Use appropriate media (water fog, carbon dioxide, foam, dry chemical) for adjacent fire. Use water spray to cool nearby containers and

**Special protective equipment & precautions for firefighters:**  
**Flash Points:**  
**Specific hazards arising from the chemical:**

structures exposed to fire.  
 Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots, when fighting chemical fires.  
 No data available  
 Containers can build up pressure if exposed to heat (fire). Fire involving large amounts of material should not be approached because individual containers may rupture abruptly causing "fireball" effect. Sensitivity to static discharge is not expected. See also Stability and Reactivity section.

## 6 ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment & emergency procedures:**  
**Environmental precautions:**

Do not try to clean up the leak without proper protective equipment. See section 8 for recommendations on the use of personal protective equipment.  
 Avoid liquid release into sewers/public water. Notify environmental authorities in case of large leaks.

**Methods and material for containment and cleaning up:**

Take up mechanically. Wipe, scrape, or soak up in an inert material and put in a container for disposal. Wash walking surfaces with detergent and water to reduce slipping hazard. Large quantity spills should be contained and pumped into drums for recovery or disposal.

## 7 HANDLING & STORAGE

**Precautions for safe handling:**

It is recommended to design all working procedures to avoid the following: eye contact. In reference to prevention of fire and explosion: Take precautionary measures against electrostatic loading. See section 8 for recommendations on the use of personal protective equipment. Keep container tightly closed when not in use. Good hygiene practices should be observed. Work clothes should be washed separately at the end of the day. Disposable clothing should be discarded with material.

**Conditions for safe storage, incl. any incompatibilities:**

Store in cool, dry well-ventilated area. Keep away from heat and incompatible materials (see section 10 for incompatibilities).

## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

**Component**  
 Caprylyl Glycol

**Exposure Limits**  
 Not available

**Basis**

**Entity**

TWA: Time Weighted Average over 8 hours of work.  
 TLV: Threshold Limit Value over 8 hours of work.  
 REL: Recommended Exposure Limit  
 PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit during x minutes.  
 IDLH: Immediately Dangerous to Life or Health  
 WEEL: Workplace Environmental Exposure Levels  
 CEIL: Ceiling

**Personal Protection:**

**Eyes:** Safety glasses or goggles (with side shield) protection recommended. Design all working procedures to avoid eye contact with material.  
**Inhalation:** Not needed under normal conditions of use.  
**Body:** Use gloves as a standard industrial handling procedure.  
**Other:** Use good personal hygiene practices. Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Clear liquid to semi-solid white paste	<b>Vapor Pressure:</b>	No data available
<b>Odor:</b>	No data available	<b>Vapor Density:</b>	No data available
<b>Odor Threshold:</b>	No data available	<b>Evaporation Rate:</b>	No data available
<b>Color:</b>	Clear to white	<b>Flammability:</b>	No data available
<b>Molecular Weight:</b>	146.23	<b>Upper/lower Explosive Limit:</b>	No data available
<b>pH:</b>	No data available	<b>Flash Point:</b>	140 °C (COC)
<b>Boiling Point:</b>	140 °C (16 mBar) 267 °C (1 Bar)	<b>Specific Gravity @ 20 °C:</b>	0.93 (H <sub>2</sub> O = 1)
<b>Melting Point:</b>	28-31 °C	<b>Solubility in Water:</b>	7.5 g/L
<b>Relative Density:</b>	No data available	<b>Auto-Ignition Temperature:</b>	310 °C
<b>Partition Coefficient: n-</b>	No data available	<b>Decomposition Temperature:</b>	No data available

octanol/water:			
Viscosity:	No data available	<b>Explosive Properties:</b>	No data available
Oxidizing Properties:	No data available	<b>Freezing Point:</b>	No data available
Log Pow @ 25 °C:	2.1		

## 10 STABILITY AND REACTIVITY

<b>Reactivity:</b>	No data available
<b>Chemical Stability:</b>	Stable.
<b>Hazardous Polymerization:</b>	Will not occur.
<b>Conditions to Avoid:</b>	Strong acidic or basic conditions.
<b>Incompatible Materials:</b>	Avoid contact with strong alkali and strong acids.
<b>Hazardous Decomposition Products:</b>	No unusual decomposition products known.
<b>Thermal Decomposition:</b>	Not known

## 11 TOXICOLOGICAL INFORMATION

<b>Acute Toxicity:</b>	No data available
<b>Skin:</b>	Non-sensitizing to human skin (AMES Test)
<b>Eyes:</b>	No data available
<b>Respiratory:</b>	No data available
<b>Ingestion:</b>	No data available
<b>Carcinogenicity:</b>	Not mutagenic (Ames-Test)
<b>Teratogenicity:</b>	No data available
<b>Germ Cell Mutagenicity:</b>	Not mutagenic (Ames-Test)
<b>Embryotoxicity:</b>	No data available
<b>Specific Target Organ Toxicity:</b>	No data available
<b>Reproductive Toxicity:</b>	Not mutagenic (Ames-Test)
<b>Respiratory/Skin Sensitization:</b>	No data available
<b>Corrosivity:</b>	No data available
<b>Sensitization:</b>	Non-sensitizing to human skin (AMES Test)
<b>Irritation:</b>	No data available
<b>Repeated Dose Toxicity:</b>	Sensibilization: No (Local Lymph-Node Assay, OECD 428 and Magnusson-Kligman-Test)

## 12 ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	Does not contain heavy materials.
<b>Aquatic Vertebrate:</b>	No data available
<b>Aquatic Invertebrate:</b>	No data available
<b>Terrestrial:</b>	No data available
<b>Persistence and Degradability:</b>	75% over 28 days; easily biodegradable. (Closed bottle test, OECD 301 D)
<b>Bioaccumulative Potential:</b>	Due to the log POW (1.00) and the easy biodegradability, no bioaccumulation is expected.
<b>Mobility in Soil:</b>	No data available
<b>PBT and vPvB Assessment:</b>	No data available
<b>Other Adverse Effects:</b>	No data available

## 13 DISPOSAL CONSIDERATIONS

<b>Waste Residues:</b>	Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary before disposing of waste product container.
<b>Product Containers:</b>	Disposal in compliance with official regulations. Handle contaminated packaging in the same way as the substance itself. If not officially specified differently, non-contaminated packaging may be treated like household waste or recycled. Recommended detergent: water and soap.
<b>Waste-key Number (EU):</b>	07 06 00 (waste from the MFSU of fats, grease, soaps, detergents, disinfectants, and cosmetics)

The information in section 13 is for the product as shipped. Use and/or alterations to the product may change the characteristics of the material and alter the waste classification and proper disposal methods

## 14 TRANSPORT INFORMATION

<b>DOT (Dept. of Transportation, USA):</b>	Non-regulated
<b>TDG (Transportation of Dangerous Goods, Canada):</b>	No data available
<b>IMDG (International Maritime Dangerous Goods):</b>	None
<b>IATA (International Air Transport Association):</b>	Not a dangerous good
<b>ICAO (International Civil Aviation Organization):</b>	No data available
<b>Symbols:</b>	GHS07, Irritant
<b>Dangerous Contents to Label:</b>	1,2 Octanediol
<b>Hazard Statements:</b>	H302: Harmful if swallowed. H319: Causes serious eye irritation.
<b>Precautionary Statements:</b>	P280: Wear protective gloves/protective clothing/eye protection/face protection. P301 + P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
<b>Further Advice, Restrictions:</b>	None
<b>Additional Information:</b>	Water hazard class: 2 (analogous VwVwS Anh. 3 No. 6636)

## 15 REGULATORY INFORMATION

<b>TSCA Inventory Status:</b>	All components of this product are listed on the TSCA Inventory.
<b>DSCL (EEC):</b>	Listed on the DSL
<b>WHMIS (Canada):</b>	Listed, D2B Toxic Materials
<b>EU EINECS/ELINCS/NLP:</b>	EINECS No. 214-254-7
<b>China IECSC:</b>	No data available
<b>China IECIC (06.30.2014):</b>	No data available
<b>Korea KECL:</b>	ECL Serial No. KE-26617
<b>Japan MITI:</b>	No data available
<b>Australia AICS:</b>	Listed on the AICS
<b>Philippines PICCS:</b>	No data available
<b>New Zealand NZIoC:</b>	No data available
<b>SARA 302:</b>	None Found
<b>SARA (311, 312) Hazard Class:</b>	None
<b>SARA (313) Chemicals:</b>	This product does not contain a toxic chemical for routine annual Toxic Chemical Release Reporting under Section 313 (40 CFR 372).
<b>CERCLA Hazardous Substance:</b>	Not a listed EHS
<b>CERCLA Reportable Quantity:</b>	No listed Reportable Quantity
<b>California Prop. 65:</b>	None
<b>Schedule B/HTSUS (Tariff Classification #):</b>	2915.90.1050 (fatty acid esters)
<b>Export Commodity Control Number (ECCN):</b>	No data available
<b>EC Required Symbol(s):</b>	GHS07 Irritant
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## 16 OTHER INFORMATION

<b>Revision Date:</b>	11/10/2020
<b>Compliance:</b>	This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200
<b>Disclaimer:</b>	This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.